JC03 Rec'd PCT/PTO 0.6 OCT 2009

Approved for use through 3/31/2007. OMB 0651-0021 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER 576P081

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

INTERNATIONAL APPLICATION NO. PCT/JP2004/004972 INTERNATIONAL FILING DATE 6 April 2004 8 April 2003 TITLE OF INVENTION LIQUID CRYSTAL SEALING AGENT AND LIQUID CRYSTALLINE DISPLAY CELL APPLICANT(S) FOR DO/EO/USMasahiro Imaizumi, Toyofumi Asano, Naoyuki Ochi, Masahiro Hirano, Sumio Ichimura, Masaru Kudo, Katsuhiko Oshimi, Masataka Nakanishi, Yasumasa Akatsuka, Eiichi Nishihara and Masayuki Itai Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. X This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). has been previously submitted under 35 U.S.C. 154(d)(4). 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. X An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. A substitute specification. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 1. Copy of the International Search Report.

20. Other items or information:

2 CODV of Forms PCT/IB/304 & 308.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Page 1 of 2

JC09 Rec'd PCT/PTO 06 OCT 2005,

PTO-1390 (Rev. 02-2005)
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The following fees have been submitted 21. Sasic national fee
21. Basic national fee
22. Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole number)
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole number)
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thereof (round up to a whole number)
- 100 = /50 = x \$250 \$ O
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).
CLAIMS NUMBER FILED NUMBER EXTRA RATE \$
Total claims 31 - 20 = 11 x \$ 50 \$ 550.00
Independent claims 2 -3 = 0 x \$200 \$
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ 360.00
TOTAL OF ABOVE CALCULATIONS = \$ 1,810.00
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.
SUBTOTAL = \$ 1,810.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).
TOTAL NATIONAL FEE = \$ 1,810.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +
TOTAL FEES ENCLOSED = \$ 1,850.00
Amount to be
retunded:
charged: \$
a. A check in the amount of \$ 1,810.00 & 40.00 to cover the above fees is enclosed.
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0930. A duplicate copy of this sheet is enclosed.
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the international Application to pending status.
SEND ALL CORRESPONDENCE TO: CUSTOMER NO: 42754
Nields & Lemack
176 E. Main Street - Suite 7 Westboro, MA 01581 Kevin S. Lemack NAME
32,579 REGISTRATION NUMBER

JC09 Rec'd PCT/PTO 06 OCT 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

: Masahiro Imaizumi et al.

Serial No.

Not yet assigned (PCT/US2004/004972)

Filed

Herewith By Express Mail (6 April 2004)

For

LIQUID CRYSTAL SEALING AGENT AND LIQUID

CRYSTALLINE DISPLAY CELL USING THE SAME

Examiner

Not yet assigned

Art Unit

Not yet assigned

Attorney

Docket No.

576P081

Type of paper

Letter

"EXPRESS MAIL" MAILING LABEL NO. ED 113525971 US DATE OF DEPOSIT: October 6, 2005

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: PCT, Alexandria, VA 22313-1450.

Ann Marie Mahan

Name of person mailing paper or fee

Attorney Docket No. 576P081

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Masahiro Imaizumi, Toyofumi Asano, Naoyuki Ochi, Masahiro Hirano, Sumio Ichimura, Masaru Kudo, Katsuhiko Oshimi, Masataka Nakanishi,

Yasumasa Akatsuka, Eiichi Nishihara and Masayuki Itai

For:

LIQUID CRYSTAL SEALING AGENT AND LIQUID CRYSTALLINE DISPLAY CELL USING THE SAME

Mail Stop: PCT
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

LETTER

The above-identified applicants enclose for filing the national phase of a PCT patent application (PCT/JP2004/004972) entitled "LIQUID CRYSTAL SEALING AGENT AND LIQUID CRYSTALLINE DISPLAY CELL USING THE SAME". Said attached PCT patent application includes (1) Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (2-Pages); (2) Translation of the International Application into English: 55-Page Specification (including 6-Pages of Claims (25) and 1-Page Abstract); (3) Executed Declaration (5-Pages); (4) Preliminary Amendment (11-pages); (5) Check in the amount of \$1,810.00 in payment of the Filing Fee; (6) Copy of the International Search Report (1-page); (7) Recordation Form Cover Sheet (1-Page), Assignment (3-Pages); (8) Check in the amount of \$40.00 in payment of the Recording Fee; (9) Copy of the Notice Informing the Applicant of the Communication of the International Application to the Designated Offices (Form PCT/IB/308)(1-Page); and (10) Copy of the Notification Concerning Submission of Priority Document (Form PCT/IB/304)(1-Page).

PLEASE ENTER THE PRELIMINARY AMENDMENT BEFORE CALCULATING THE FEES.

All correspondence concerning this application should be mailed to: CUSTOMER NO: 42754

Kevin S. Lemack Nields & Lemack 176 E. Main Street - Suite 7 Westboro, Massachusetts 01581

Respectfully submitted,

Kevin S. Lemack Attorney for Applicant Registration No. 32,579

Date: ___October_6, 2005

EXPRESS MAIL NO: ED 113525971 US

Applicants

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Transmittal Letter to the United States Designated/Elected Office

(DO/EO/US) Concerning a Filing Under 35 U.S.C. 371

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___Ann Marie Mahan

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Art Unit

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Translation of the International Application into English

"EXPRESS MAIL" MAILING LABEL NO. ED 113525971 US DATE OF DEPOSIT: October 6, 2005

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Ann Marie Mahan

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Applicants

Masahiro Imaizumi et al.

10/552183

Serial No.

Filed

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Examiner

Not yet assigned

Art Unit

Not yet assigned

Attorney

Docket No.

576P081

Type of paper

Copy of the Notification Concerning Submission or Transmittal of

Priority Document (Form PCT/IB/304)

"EXPRESS MAIL" MAILING LABEL NO. ED 113525971 US DATE OF DEPOSIT: October 6, 2005

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Ann Marie Mahan

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Masahiro Imaizumi et al.

Serial No.

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Executed Declaration

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<u>Ann Marie Mahan</u>

Name of person maining paper

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Preliminary Amendment

"EXPRESS MAIL" MAILING LABEL NO. **ED 113525971 US**DATE OF DEPOSIT: October 6, 2005

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Filing Fee

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Type of paper

Copy of the International Search Report

"EXPRESS MAIL" MAILING LABEL NO. ED 113525971 US DATE OF DEPOSIT: October 6, 2005

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Applicants

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Assignment

"EXPRESS MAIL" MAILING LABEL NO. ED 113525971 US DATE OF DEPOSIT: October 6, 2005

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JC09 Rec'd PCT/PTO 16 GCT 2009

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